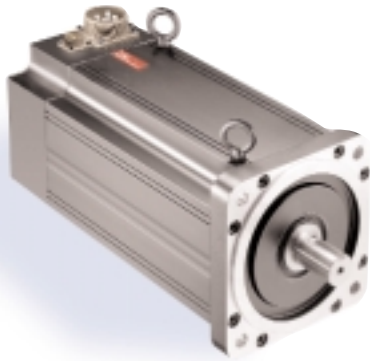

460 Series

TORQUE RANGE: 200-1092 IN-LBS

22.6-123 Nm

Motor Data (Trap)

Motor Parameters		Units	1900CTJ****	1900DTJ****	1901CTJ****	1901DTJ****	1902CTJ****
Horsepower	Hp Rated	Hp	5.8	3.5	13.1	6.5	20.9
Kilowatts	KW Rated	KW	4.3	2.6	9.8	4.9	15.6
Max. Operating Speed	N Max	RPM	3000	1500	3000	1500	3000
Speed @ Rated Torque	N Rated	RPM	2400	1200	2400	1200	2400
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	150.0[16.9]	180.0[20.3]	344.0[38.6]	344.0[38.6]	550.0[61.8]
***Continuous Stall Torque**		IN-LBS[Nm]	200.0[22.6]	200.0[22.6]	400.0[44.9]	400.0[44.9]	640.0[71.9]
Continuous Line Current		AMPS	15.0	8.0	22.5	11.2	36.0
Peak Torque	Tpk	IN-LBS[Nm]	600.0[67.8]	600.0[67.8]	1200[134.8]	1200[134.8]	1920[215.0]
Peak Current		AMPS	46.0	23.0	67.4	33.6	108.0
Max. Theoretical Accel.		RAD/SEC^2	23,077	23,077	29,197	29,197	26,890
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	12.9[1.46]	25.8[2.92]	17.6[2.0]	35.0[4.0]	17.6[2.0]
Back EMF (Line to Line)	±10%	Vrms/Krpm	115	230	158	316	158
D.C. Resistance (P-P)	±10%	OHMS	2.2	8.7	1.4	4.6	.44
Inductance (P-P)	±10%	MILLIHENRIES	18.0	72.0	15.5	60.2	6.8
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0260[.0029]	.0260[.0029]	.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]	7.4[.84]	7.4[.84]	8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]	52[23.6]	52[23.6]	67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC	460	460	460	460	460

Motor Parameters		Units	1902DTJ****	1903CTJ****	1903DTJ****	1904CTJ****	1904DTJ****
Horsepower	Hp Rated	Hp	10.4	28.8	14.4	35.7	18.0
Kilowatts	KW Rated	KW	7.8	21.5	10.7	26.7	13.4
Max. Operating Speed	N Max	RPM	1500	3000	1500	3000	1500
Speed @ Rated Torque	N Rated	RPM	1200	2400	1200	2400	1200
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	550.0[61.8]	757.0[85.0]	757.0[85.0]	939.0[105.0]	939.0[105.0]
***Continuous Stall Torque**		IN-LBS[Nm]	640.0[71.9]	880.0[98.8]	880.0[98.8]	1092.0[123.0]	1092.0[123.0]
Continuous Line Current		AMPS	18.0	49.0	25.0	62.0	31.0
Peak Torque	Tpk	IN-LBS[Nm]	1920[215.0]	2640[296.0]	2640[296.0]	3276[370.0]	3276[370.0]
Peak Current		AMPS	54.0	150.0	75.0	186.0	93.0
Max. Theoretical Accel.		RAD/SEC^2	26,890	25,631	25,631	24,632	24,632
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	35.0[4.0]	17.6[2.0]	35.0[4.0]	17.6[2.0]	35.0[4.0]
Back EMF (Line to Line)	±10%	Vrms/Krpm	316	158	316	158	316
D.C. Resistance (P-P)	±10%	OHMS	2.0	.29	1.1	.19	.72
Inductance (P-P)	±10%	MILLIHENRIES	29.3	4.8	17.2	3.2	13.4
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0714[.0807]	.103[.0116]	.103[.0116]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]	9.8[1.1]	11.4[1.3]	11.4[1.3]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]	98[44.5]	129[58.5]	129[58.5]	160[72.6]	160[72.6]
Line Voltage		VAC	460	460	460	460	460

Brake Info:

Min. Holding Torque: 90 FT-LBS
Input Voltage: 24VDC
Current : 1.4 AMPS
Inertia: .0085 IN-LB-SEC^2
Weight Adder: 18 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 100 LBS. Max.
2. Radial Load: 250 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

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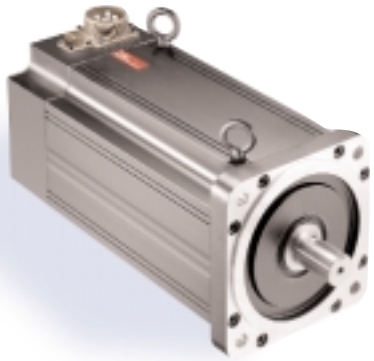

460 Series

TORQUE RANGE: 200-1092 IN-LBS

22.6-123 Nm

Motor Data (Sine)

Motor Parameters		Units	1900CSJ****	1900DSJ****	1901CSJ****	1901DSJ****	1902CSJ****
Horsepower	Hp Rated	Hp	5.8	3.5	13.1	6.5	20.9
Kilowatts	KW Rated	KW	4.3	2.6	9.8	4.9	15.6
Max. Operating Speed	N Max	RPM	3000	1500	3000	1500	3000
Speed @ Rated Torque	N Rated	RPM	2400	1200	2400	1200	2400
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	150.0[16.9]	180.0[20.3]	344.0[38.6]	344.0[38.6]	550.0[61.8]
***Continuous Stall Torque**		IN-LBS[Nm]	200.0[22.6]	200.0[22.6]	400.0[44.9]	400.0[44.9]	640.0[71.9]
Continuous Line Current		AMPS(RMS/ϕ)	10.6	5.7	15.9	7.9	25.5
Peak Torque	Tpk	IN-LBS[Nm]	600.0[67.8]	600.0[67.8]	1200[134.8]	1200[134.8]	1920[215.0]
Peak Current		AMPS(RMS/ϕ)	32.5	16.3	47.7	23.8	76.4
Max. Theoretical Accel.		RAD/SEC^2	23,077	23,077	29,197	29,197	26,890
Torque Sensitivity	Kt	IN-LBS/AMP(RMS/ϕ)[Nm/AMP(RMS/ϕ)]	18.2[2.1]	36.5[4.1]	24.9[2.81]	49.5[5.59]	24.9[2.81]
Back EMF (Line to Line)	±10%	Vrms/Krpm	115	230	158	316	158
D.C. Resistance (P-P)	±10%	OHMS	2.2	8.7	1.4	4.6	.44
Inductance (P-P)	±10%	MILLIHENRIES	18.0	72.0	15.5	60.2	6.8
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0260[.0029]	.0260[.0029]	.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]	7.4[8.4]	7.4[8.4]	8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]	52[23.6]	52[23.6]	67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC	460	460	460	460	460

Motor Parameters		Units	1902DSJ****	1903CSJ****	1903DSJ****	1904CSJ****	1904DSJ****
Horsepower	Hp Rated	Hp	10.4	28.8	14.4	35.7	18.0
Kilowatts	KW Rated	KW	7.8	21.5	10.7	26.7	13.4
Max. Operating Speed	N Max	RPM	1500	3000	1500	3000	1500
Speed @ Rated Torque	N Rated	RPM	1200	2400	1200	2400	1200
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	550.0[61.8]	757.0[85.0]	757.0[85.0]	939.0[105.0]	939.0[105.0]
***Continuous Stall Torque**		IN-LBS[Nm]	640.0[71.9]	880.0[98.8]	880.0[98.8]	1092.0[123.0]	1092.0[123.0]
Continuous Line Current		AMPS(RMS/ϕ)	12.7	34.6	17.7	43.8	21.9
Peak Torque	Tpk	IN-LBS[Nm]	1920[215.0]	2640[296.0]	2640[296.0]	3276[370.0]	3276[370.0]
Peak Current		AMPS(RMS/ϕ)	38.2	106.1	53.0	131.5	65.8
Max. Theoretical Accel.		RAD/SEC^2	26,890	25,631	25,631	24,632	24,632
Torque Sensitivity	Kt	IN-LBS/AMP(RMS/ϕ)[Nm/AMP(RMS/ϕ)]	49.5[5.59]	24.9[2.81]	49.5[5.59]	24.9[2.81]	49.5[5.59]
Back EMF (Line to Line)	±10%	Vrms/Krpm	316	158	316	158	316
D.C. Resistance (P-P)	±10%	OHMS	2.0	.29	1.1	.19	.72
Inductance (P-P)	±10%	MILLIHENRIES	29.3	4.8	17.2	3.2	13.4
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0714[.00807]	.103[.0116]	.103[.0116]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]	9.8[1.1]	11.4[1.3]	11.4[1.3]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]	98[44.5]	129[58.5]	129[58.5]	160[72.6]	160[72.6]
Line Voltage		VAC	460	460	460	460	460

Brake Info:

Min. Holding Torque: 90 FT-LBS
Input Voltage: 24VDC
Current : 1.4 AMPS
Inertia: .0085 IN-LB-SEC^2
Weight Adder: 18 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 100 LBS. Max.
2. Radial Load: 250 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

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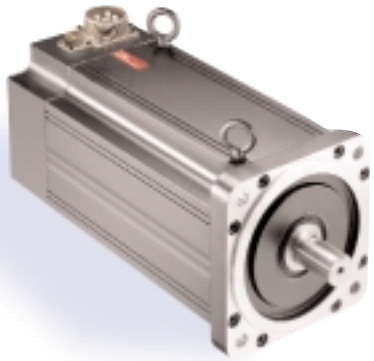

230 Series

TORQUE RANGE: 200-1092 IN-LBS

22.6-123 Nm

Motor Data (Trap)

Motor Parameters		Units	1900ATG****	1900BTG****	1901ATG****	1901BTG****	1902ATG****
Horsepower	Hp Rated	Hp	5.8	3.5	13.1	6.5	20.9
Kilowatts	KW Rated	KW	4.3	2.6	9.8	4.9	15.6
Max. Operating Speed	N Max	RPM	3000	1500	3000	1500	3000
Speed @ Rated Torque	N Rated	RPM	2400	1200	2400	1200	2400
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	150.0[16.9]	180.0[20.3]	344.0[38.6]	344.0[38.6]	550.0[61.8]
***Continuous Stall Torque**		IN-LBS[Nm]	200.0[22.6]	200.0[22.6]	400.0[44.9]	400.0[44.9]	640.0[71.9]
Continuous Line Current		AMPS	27.0	15.0	44.9	22.5	71.9
Peak Torque	Tpk	IN-LBS[Nm]	600.0[67.8]	600.0[67.8]	1200[134.8]	1200[134.8]	1780[200.0]
Peak Current		AMPS	81.0	46.0	134.8	67.5	200.0
Max. Theoretical Accel.		RAD/SEC^2	23,077	23,077	29,197	29,197	24,930
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	7.4[.84]	12.9[1.46]	8.9[1.0]	17.6[2.0]	8.9[1.0]
Back EMF (Line to Line)	±10%	Vrms/Krpm	66	115	79	158	79
D.C. Resistance (P-P)	±10%	OHMS	1.1	4.1	.31	1.36	.11
Inductance (P-P)	±10%	MILLIHENRIES	9.4	32.3	3.70	15.5	1.65
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0260[.0029]	.0260[.0029]	.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]	7.4[.84]	7.4[.84]	8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]	52[23.6]	52[23.6]	67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC	230	230	230	230	230

Motor Parameters		Units	1902BTG****	1903ATG****	1903BTG****	1904ATG****	1904BTG****
Horsepower	Hp Rated	Hp	10.5	28.8	14.4	35.7	18.0
Kilowatts	KW Rated	KW	7.8	21.5	10.7	26.7	13.4
Max. Operating Speed	N Max	RPM	1500	3000	1500	3000	1500
Speed @ Rated Torque	N Rated	RPM	1200	2400	1200	2400	1200
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	550.0[61.8]	757.0[85.0]	757.0[85.0]	939.0[105.0]	939.0[105.0]
***Continuous Stall Torque**		IN-LBS[Nm]	640.0[71.9]	880.0[98.8]	880.0[98.8]	1092.0[123.0]	1092.0[123.0]
Continuous Line Current		AMPS	36.0	98.8	49.0	123.0	62.0
Peak Torque	Tpk	IN-LBS[Nm]	1920[215.0]	1780[200.0]	2640[296.0]	1780[200.0]	3276[370.0]
Peak Current		AMPS	107.0	200.0	148.0	200.0	185.0
Max. Theoretical Accel.		RAD/SEC^2	26,891	17,282	25,631	13,383	24,632
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	17.6[2.0]	8.9[1.0]	17.6[2.0]	8.9[1.0]	17.6[2.0]
Back EMF (Line to Line)	±10%	Vrms/Krpm	158	79	158	79	158
D.C. Resistance (P-P)	±10%	OHMS	.44	.06	.29	.05	.19
Inductance (P-P)	±10%	MILLIHENRIES	6.8	1.0	4.8	.96	3.2
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0714[.00807]	.103[.0116]	.103[.0116]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]	9.8[1.1]	11.4[1.3]	11.4[1.3]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]	98[44.5]	129[58.5]	129[58.5]	160[72.6]	160[72.6]
Line Voltage		VAC	230	230	230	230	230

Brake Info:

Min. Holding Torque: 90 FT-LBS
Input Voltage: 24VDC
Current : 1.4 AMPS
Inertia: .0085 IN-LB-SEC^2
Weight Adder: 18 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 100 LBS. Max.
2. Radial Load: 250 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

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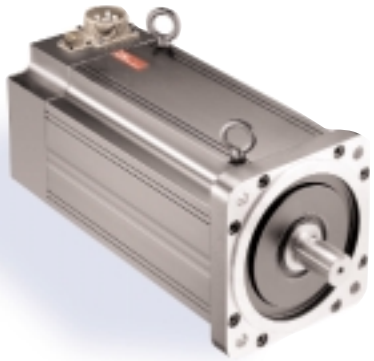

230 Series

TORQUE RANGE: 200-1092 IN-LBS

22.6-123 Nm

Motor Data (Sine)

Motor Parameters		Units	1900ASG****	1900BSG****	1901ASG****	1901BSG****	1902ASG****
Horsepower	Hp Rated	Hp	5.8	3.5	13.1	6.5	20.9
Kilowatts	KW Rated	KW	4.3	2.6	9.8	4.9	15.6
Max. Operating Speed	N Max	RPM	3000	1500	3000	1500	3000
Speed @ Rated Torque	N Rated	RPM	2400	1200	2400	1200	2400
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	150.0[16.9]	180.0[20.3]	344.0[38.6]	344.0[38.6]	550.0[61.8]
***Continuous Stall Torque**		IN-LBS[Nm]	200.0[22.6]	200.0[22.6]	400.0[44.9]	400.0[44.9]	640.0[71.9]
Continuous Line Current		AMPS(RMS/ϕ)	19.1	10.6	31.7	15.9	50.8
Peak Torque	Tpk	IN-LBS[Nm]	600.0[67.8]	600.0[67.8]	1200[134.8]	1200[134.8]	1780[200.0]
Peak Current		AMPS(RMS/ϕ)	57.3	32.5	95.3	47.7	141.4
Max. Theoretical Accel.		RAD/SEC^2	23,077	23,077	29,197	29,197	24,930
Torque Sensitivity	Kt	IN-LBS/AMP(RMS/ϕ)[Nm/AMP(RMS/ϕ)]	10.5[1.19]	18.2[2.1]	12.6[1.42]	24.9[2.81]	12.6[1.42]
Back EMF (Line to Line)	±10%	Vrms/Krpm	66	115	79	158	79
D.C. Resistance (P-P)	±10%	OHMS	1.1	4.1	.31	1.36	.11
Inductance (P-P)	±10%	MILLIHENRIES	9.4	32.3	3.70	15.5	1.65
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0260[.0029]	.0260[.0029]	.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]	7.4[.84]	7.4[.84]	8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]	52[23.6]	52[23.6]	67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC	230	230	230	230	230

Motor Parameters		Units	1902BSG****	1903ASG****	1903BSG****	1904ASG****	1904BSG****
Horsepower	Hp Rated	Hp	10.5	28.8	14.4	35.7	18.0
Kilowatts	KW Rated	KW	7.8	21.5	10.7	26.7	13.4
Max. Operating Speed	N Max	RPM	1500	3000	1500	3000	1500
Speed @ Rated Torque	N Rated	RPM	1200	2400	1200	2400	1200
***Continuous Rated Torque @ Rated Speed**		IN-LBS[Nm]	550.0[61.8]	757.0[85.0]	757.0[85.0]	939.0[105.0]	939.0[105.0]
***Continuous Stall Torque**		IN-LBS[Nm]	640.0[71.9]	880.0[98.8]	880.0[98.8]	1092.0[123.0]	1092.0[123.0]
Continuous Line Current		AMPS(RMS/ϕ)	25.5	69.9	34.6	87.0	43.8
Peak Torque	Tpk	IN-LBS[Nm]	1920[215.0]	1780[200.0]	2640[296.0]	1780[200.0]	3276[370.0]
Peak Current		AMPS(RMS/ϕ)	75.6	141.4	104.6	141.4	130.8
Max. Theoretical Accel.		RAD/SEC^2	26,891	17,282	25,631	13,383	24,632
Torque Sensitivity	Kt	IN-LBS/AMP(RMS/ϕ)[Nm/AMP(RMS/ϕ)]	24.9[2.81]	12.6[1.42]	24.9[2.81]	12.6[1.42]	24.9[2.81]
Back EMF (Line to Line)	±10%	Vrms/Krpm	158	79	158	79	158
D.C. Resistance (P-P)	±10%	OHMS	.44	.06	.29	.05	.19
Inductance (P-P)	±10%	MILLIHENRIES	6.8	1.0	4.8	.96	3.2
Rotor Inertia	Jm	IN-LBS-SEC^2[Kg-M^2]	.0714[.00807]	.103[.0116]	.103[.0116]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]	9.8[1.1]	11.4[1.3]	11.4[1.3]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]	98[44.5]	129[58.5]	129[58.5]	160[72.6]	160[72.6]
Line Voltage		VAC	230	230	230	230	230

Brake Info:

Min. Holding Torque: 90 FT-LBS
Input Voltage: 24VDC
Current : 1.4 AMPS
Inertia: .0085 IN-LB-SEC^2
Weight Adder: 18 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 100 LBS. Max.
2. Radial Load: 250 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

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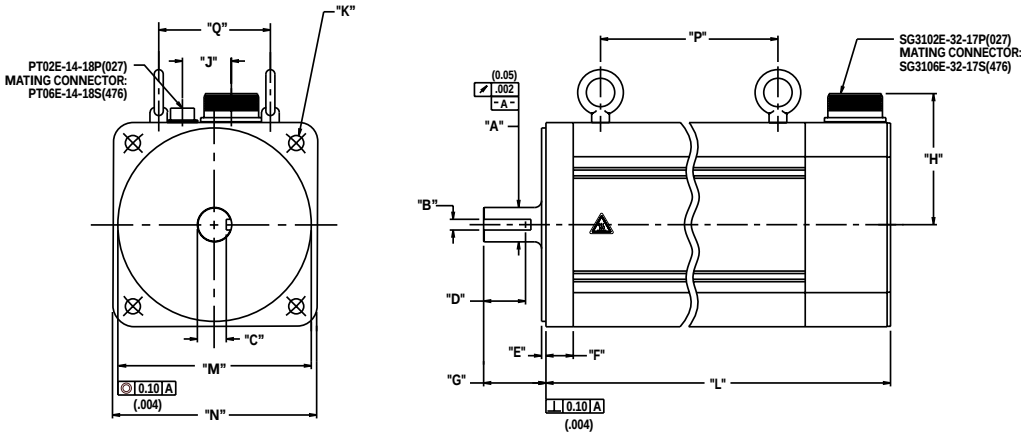

8" (190) Metric Connectorized Termination-Option 1 Motors

Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
MPM1900*7*****	ø 32.017 (1.2605) 31.999 (1.2598)	10.000 (.3937) 9.964 (.3923)	26.90 (1.059)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)	123.0 (4.84)
MPM1901*7*****	ø 32.017 (1.2605) 31.999 (1.2598)	10.000 (.3937) 9.964 (.3923)	26.90 (1.059)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)	123.0 (4.84)
MPM1902*7*****	ø 32.017 (1.2605) 31.999 (1.2598)	10.000 (.3937) 9.964 (.3923)	26.90 (1.059)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)	123.0 (4.84)
MPM1903*7*****	ø 48.019 (1.8905) 47.998 (1.8897)	14.000 (.5512) 13.957 (.5495)	42.39 (1.669)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)	123.0 (4.84)
MPM1904*7*****	ø 48.019 (1.8905) 47.998 (1.8897)	14.000 (.5512) 13.957 (.5495)	42.39 (1.669)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)	123.0 (4.84)

Model	J"	"K"	"L"	"L" w/ Brake	"M"	"N"	"P"	"Q"
MPM1900*7*****	45.5 (1.79)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	283.1 (11.15) Max	359.4 (14.15) Max	ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	127.0 (5.00)	103.9 (4.09)
MPM1901*7*****	45.5 (1.79)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	321.2 (12.65) Max	397.5 (15.65) Max	ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	165.1 (6.50)	103.9 (4.09)
MPM1902*7*****	45.5 (1.79)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	397.5 (15.65) Max	473.7 (18.65) Max	ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	241.3 (9.50)	103.9 (4.09)
MPM1903*7*****	45.5 (1.79)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	473.3 (18.65) Max	549.9 (21.65) Max	ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	317.5 (12.50)	103.9 (4.09)
MPM1904*7*****	45.5 (1.79)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	549.9 (21.65) Max	626.1 (24.65) Max	ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	393.7 (15.50)	103.9 (4.09)

Metric = 7
Option 6-Not Available
Custom Mounts-Consult Factory

For Mechanical Dimensions on Termination Option 2 Consult Factory.

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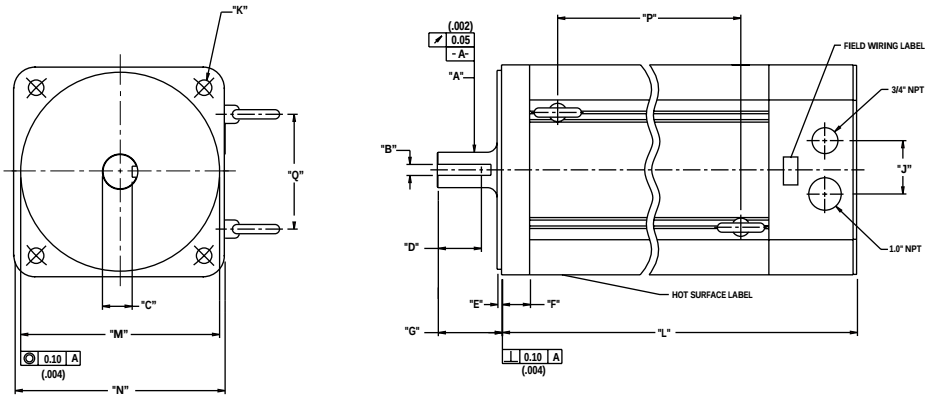

8" (190) Metric NPT Termination-Option 3 Motors

Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"
MPM1900*7*****	Ø 32.017 (1.2605) 31.999 (1.2598)	10.000 (.3937) 9.964 (.3923)	26.90 (1.059)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)
MPM1901*7*****	Ø 32.017 (1.2605) 31.999 (1.2598)	10.000 (.3937) 9.964 (.3923)	26.90 (1.059)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)
MPM1902*7*****	Ø 32.018 (1.2605) 31.998 (1.2598)	10.000 (.3937) 9.964 (.3923)	26.90 (1.059)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)
MPM1903*7*****	Ø 48.019 (1.8905) 47.998 (1.8897)	14.000 (.5512) 13.957 (.5495)	42.39 (1.669)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)
MPM1904*7*****	Ø 48.019 (1.8905) 47.998 (1.8897)	14.000 (.5512) 13.957 (.5495)	42.39 (1.669)	39.0 (1.54) Min	4.0 (0.16)	25.4 (1.00)	58.5 (2.30) 57.5 (2.26)

Model	"J"	"K"	"L"	"L" w/ Brake	"M"	"N"	"P"	"Q"
MPM1900*7*****	48.3 (1.90)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	283.2 (11.15) Max	359.4 (14.15) Max	Ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	127.0 (5.00)	103.9 (4.09)
MPM1901*7*****	48.3 (1.90)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	321.2 (12.65) Max	397.5 (15.65) Max	Ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	165.1 (6.50)	103.9 (4.09)
MPM1902*7*****	48.3 (1.90)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	397.5 (15.65) Max	473.7 (18.65) Max	Ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	241.3 (9.50)	103.9 (4.09)
MPM1903*7*****	48.3 (1.90)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	473.7 (18.65) Max	549.9 (21.65) Max	Ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	317.5 (12.50)	103.9 (4.09)
MPM1904*7*****	48.3 (1.90)	Ø14.00 (.551) THRU (4) EQ SPD AS SHOWN ON Ø215.00 (8.464) B.C.	549.9 (21.65) Max	626.1 (24.65) Max	Ø 180.01 (7.087) 179.99 (7.086)	☐ 190.0 (7.48)	393.7 (15.50)	103.9 (4.09)

Metric = 7
Option 6-Not Available
Custom Mounts-Consult Factory

For Mechanical Dimensions on Termination Option 2 Consult Factory.

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8" Motor with Encoder Feedback

Option 1

Motor Connector 270-00066 (SG3102E-32-17P(027))

Pin	Function	Wire Color
A	ϕR	RED
B	ϕS	BLACK
C	ϕT	BLUE
D	PE GND	GRN/YEL

Encoder Connector 270-00024 (PT02E-14-18P(027))

Pin	Function	Wire Color
T	GROUND	BLACK
K	+5VDC	RED
B	CH A	BLUE
C	CH A\	BLUE/BLK
N	CH B	GREEN
P	CH B\	GRN/BLK
M	CH Z	YELLOW
U	CH Z\	YEL/BLK
E	CH U	BROWN
R	CH U\	BRN/BLK
F	CH V	GRAY
S	CH V\	GRAY/BLK
G	CH W	WHITE
H	CH W\	WHT/BLK
D	GND/CABLE	SHLD
A	THERM	BLACK
L	THERM	BLACK
J	GND	GRN/YEL

Option 1 with brake

Encoder Brake Connector 270-00219 (PT02E-16-23P(027))

Pin	Function	Wire Color
T	GROUND	BLACK
K	+5VDC	RED
B	CH A	BLUE
C	CH A\	BLUE/BLK
N	CH B	GREEN
P	CH B\	GRN/BLK
M	CH Z	YELLOW
U	CH Z\	YEL/BLK
E	CH U	BROWN
R	CH U\	BRN/BLK
F	CH V	GRAY
S	CH V\	GRAY/BLK
G	CH W	WHITE
H	CH W\	WHT/BLK
D	GND/CABLE	SHLD
A	THERM	BLACK
L	THERM	BLACK
J	GND	GRN/YEL
V	BRK (+)	DIODE
W	BRK (–)	1N4007
X	BRK SHLD	-
Y	-	-
Z	-	-

Option 2

Motor Connector 270-00352 (FECF08CMRAB000)

Pin	Function	Wire Color
U	ϕR(U1)	RED
PE	PE GND	GRN/YEL
W	ϕS(W1)	BLACK
V	ϕT(V1)	BLUE
*+	BRK (+)	DIODE
*–	BRK (–)	1N4007
1	THERM	BLACK
2	THERM	BLACK

* USE ONLY WITH BRAKE OPTION

Motor Connector 270-00257 (AEGA052NN00000013000)

Pin	Function	Wire Color
1	GND(OV)	BLACK
2	CH A\(A)	BLUE/BLK
3	CH A(A\)	BLUE
4	CH B(B)	GREEN
5	CH B\(B\)	GRN/BLK
6	CH Z(Z)	YELLOW
7	CH Z\(Z\)	YEL/BLK
8	+5V(+5V)	RED
9	-	-
10	CH U(RLG U)	BROWN
11	CH V(RLG V)	GRAY
12	CH W(RLG W)	WHITE

Option 3-Consult Factory

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8" Motor with Resolver Feedback

Option 1

Motor Connector 270-00066 (SG3102E-32-17P(027))

Pin	Function	Wire Color
A	ϕR	RED
B	ϕS	BLACK
C	ϕT	BLUE
D	PE GND	GRN/YEL

Resolver Connector 270-00024 (PT02E-14-18P(027))

Pin	Function	Wire Color
U	THERM	BLACK
N	THERM	BLACK
H	SIN	YELLOW
G	COS GND	BLACK
S	COS	RED
F	SIN GND	BLUE
R	REF GND	YEL/WHT
E	REF	RED/WHT
D	RES SHLD	GRN/YEL
P	GND	GRN/YEL
*A	BRK (+)	DIODE
*B	BRK (-)	1N4007
*C	BRK SHLD	-
J	-	-
K	-	-
L	-	-
M	-	-
T	-	-

*USE ONLY WITH BRAKE OPTION

Option 2

Motor Connector 270-00352 (FECF08CMRAB000)

Pin	Function	Wire Color
U	ϕR(U1)	RED
V	ϕS(V1)	BLACK
W	ϕT(W1)	BLUE
PE	PE GND	GRN/YEL
*+	BRK (+)	DIODE
*-	BRK (–)	1N4007
1	THERM	BLACK
2	THERM	BLACK

*USE ONLY WITH BRAKE OPTION

Resolver Connector 270-00257 (AEGA052NN00000013000)

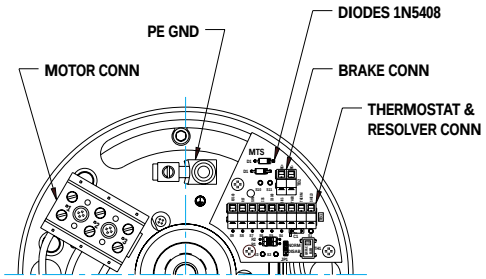
Pin	Function	Wire Color
1	-	-
2	REF (R1)	RED/WHT
3	REF GND (R2)	YEL/WHT
4	COS GND (S1)	BLACK
5	COS (S3)	RED
6	SIN (S2)	YELLOW
7	SIN GND (S4)	BLUE
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-

Option 3

Connection Chart (NPT) Resolver

Terminal	Function	Wire Color	
1	ϕR	RED	MOTOR CONN
2	ϕS	BLACK	MOTOR CONN
3	ϕT	BLUE	MOTOR CONN
-	PE GND	-	
*S11	BRK (+)	BLUE	TB2 (BRAKE CONN)
*S10	BRK (-)	BLUE	TB2 (BRAKE CONN)
S9	REF GND	YEL/WHT	TB1 (RESOLVER & THERM CONN)
S8	REF	RED/WHT	TB1 (RESOLVER & THERM CONN)
S7	SIN	YELLOW	TB1 (RESOLVER & THERM CONN)
S6	COS	RED	TB1 (RESOLVER & THERM CONN)
S5	COS GND	BLACK	TB1 (RESOLVER & THERM CONN)
S4	SIN GND	BLUE	TB1 (RESOLVER & THERM CONN)
S3	THERM	BLACK	TB1 (RESOLVER & THERM CONN)
S2	THERM	BLACK	TB1 (RESOLVER & THERM CONN)
S1	RES SHLD	GRN/YEL	TB1 (RESOLVER & THERM CONN)

*USE ONLY WITH BRAKE OPTION



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